

Having thus, described the invention, what is claimed is:

1. A three-wheeled motor vehicle comprising:

a main frame cage provided with a swing axis,

an engine operatively attached to and supported by the main frame cage;

right and left wishbone suspension arms which are each respectively attached

to the main frame cage for pivotal movement about the swing axis,

a rear drive wheel operatively attached to each of the respective wishbone

suspension arms,

a transmission for transmitting power output from said engine to a drive train;

a drive train comprising a reduction gear and right and left drive shafts defining

right and left output axes, respectively;

wherein the main frame cage is made pivotally rockable about a rocking axis

with respect to the wishbone suspension arms,

wherein engine output is transferred to the right and left rear drive wheels via

the transmission, the reduction gear, and the right and left drive shafts.

2. The three-wheeled motor vehicle of claim 1, wherein each of the right and left output axes intersect with the rocking axis to define intersection points, and wherein said intersection points are displaced from one another on the rocking axis.

3. The three-wheeled motor vehicle of claim 1, wherein each rear drive wheel is operatively connected to the drive train via the respective drive shaft and a pair of constant velocity joints, and wherein a bending part of one of said constant velocity joints for each wheel, on a side of the output axis, is placed on the rocking axis.

4. The three-wheeled motor vehicle according to claim 1, wherein the reduction gear includes a differential mechanism;

wherein a first of said output axes is placed in front of the differential mechanism;

and wherein a second of said output axes is placed behind the differential mechanism.

5. The three-wheeled motor vehicle according to claim 1, wherein the swing axis

and the rocking axis coincide.

6. The three-wheeled motor vehicle according to claim 3, wherein the differential mechanism comprises a differential pinion axis, which intersects the rocking axis.

7. The three-wheeled motor vehicle according to claim 1, wherein, through placement of the engine, the transmission, the reduction gear, and the right and left drive shafts in relation to the main frame cage, the engine, the transmission, the reduction gear, and the right and left output axes are pivotally rockable relative to the wishbone suspension arms.

8. A reinforcing support structure for a three-wheeled motor vehicle, said reinforcing support structure comprising:

a rear wheel support structure for supporting left and right rear wheels, and

a main frame cage pivotally supported on the rear wheel support structure for pivotal rocking movement thereon about a rocking axis;

wherein said rear wheel support structure comprises:

left and right wishbone arms which are pivotally connected to one another;

left and right reinforcing links which are respectively attached to and extend upwardly from the respective left and right wishbone arms; and

an intermediate bar extending between, and operatively attached to upper portions of the left and right reinforcing links.

9. The reinforcing support structure of claim 8, wherein said rear wheel support structure further comprises a pair of bell cranks operatively attached to opposite ends of the intermediate bar, wherein the bell cranks connect the intermediate bar to the respective reinforcing links.

10. The reinforcing support structure of claim 9, wherein said rear wheel support structure further comprises a shock absorber extending between and interconnecting upper ends of said bell cranks.